

SUPPLEMENTARY MATERIALS

SULFUR DOPED $\text{Li}_{1.3}\text{Al}_{0.3}\text{Ti}_{1.7}(\text{PO}_4)_3$ SOLID ELECTROLYTES WITH ENHANCED IONIC CONDUCTIVITY AND REDUCED ACTIVATION ENERGY BARRIER

Abdulkadir Kızılaslan^a, Mine Kirkbınar^a, Tugrul Cetinkaya^{a,*}, Hatem Akbulut^a

^aEngineering Faculty, Metallurgy and Materials Science Department, Sakarya University, 54187, Turkey

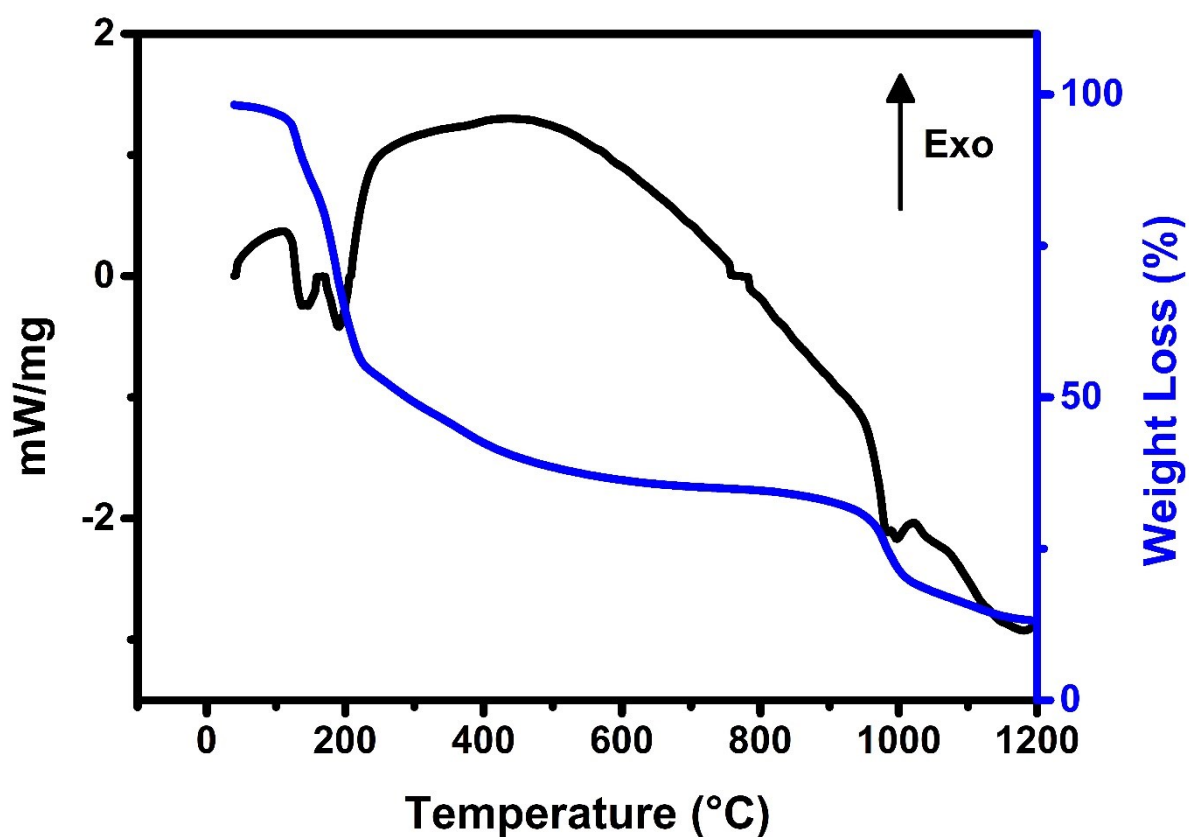


Fig. S1. DSC-TG analysis of LATP powders

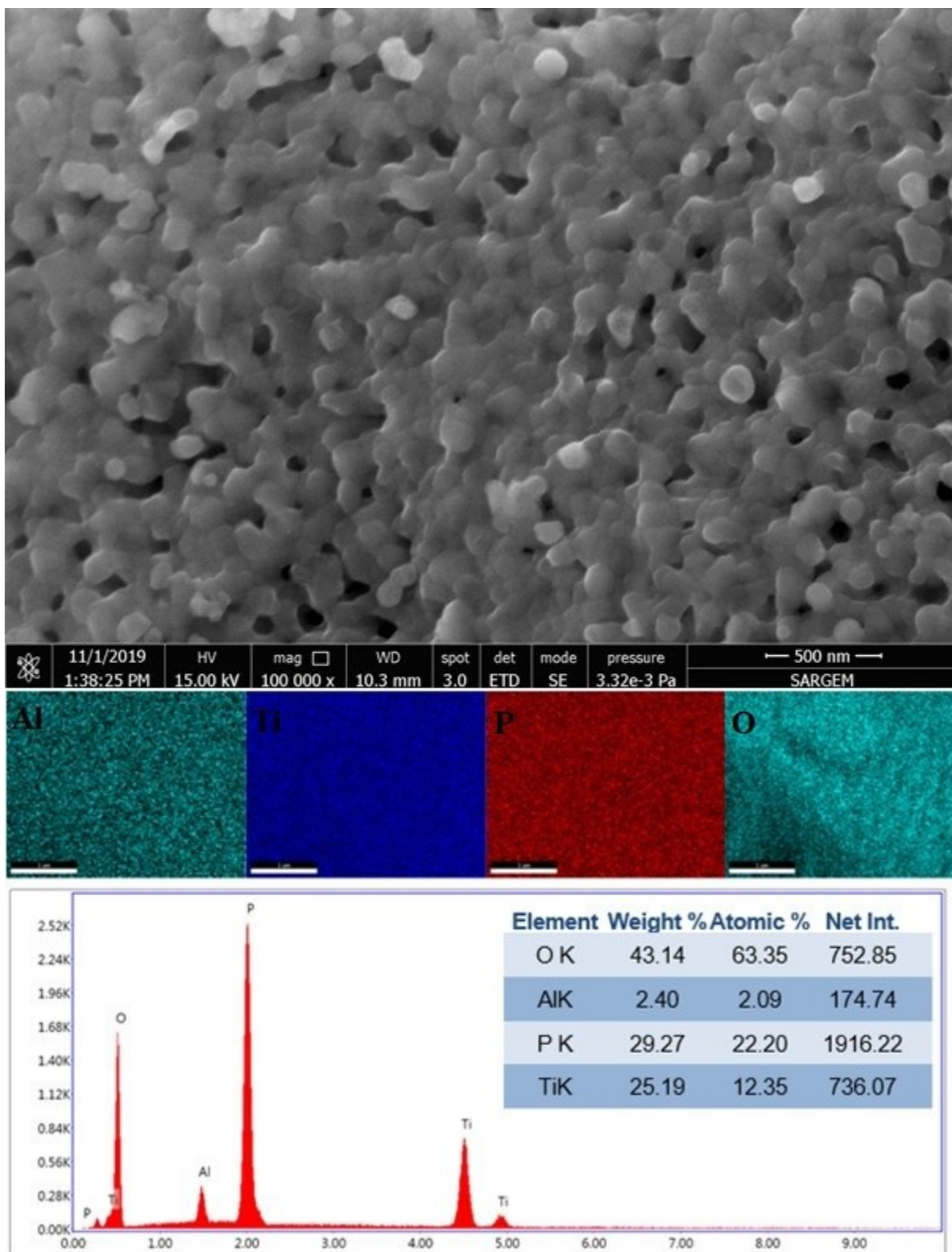


Fig. S2: FESEM analysis of LATP powders, corresponding elemental mapping and EDS analysis.

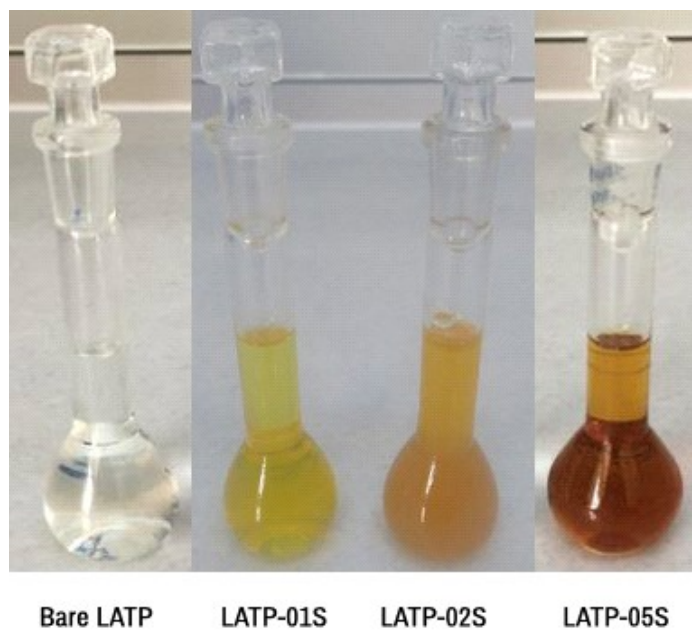


Fig. S3: Colour change during gel formation in bare-LAMP and sulfur doped LAMP syntheses.

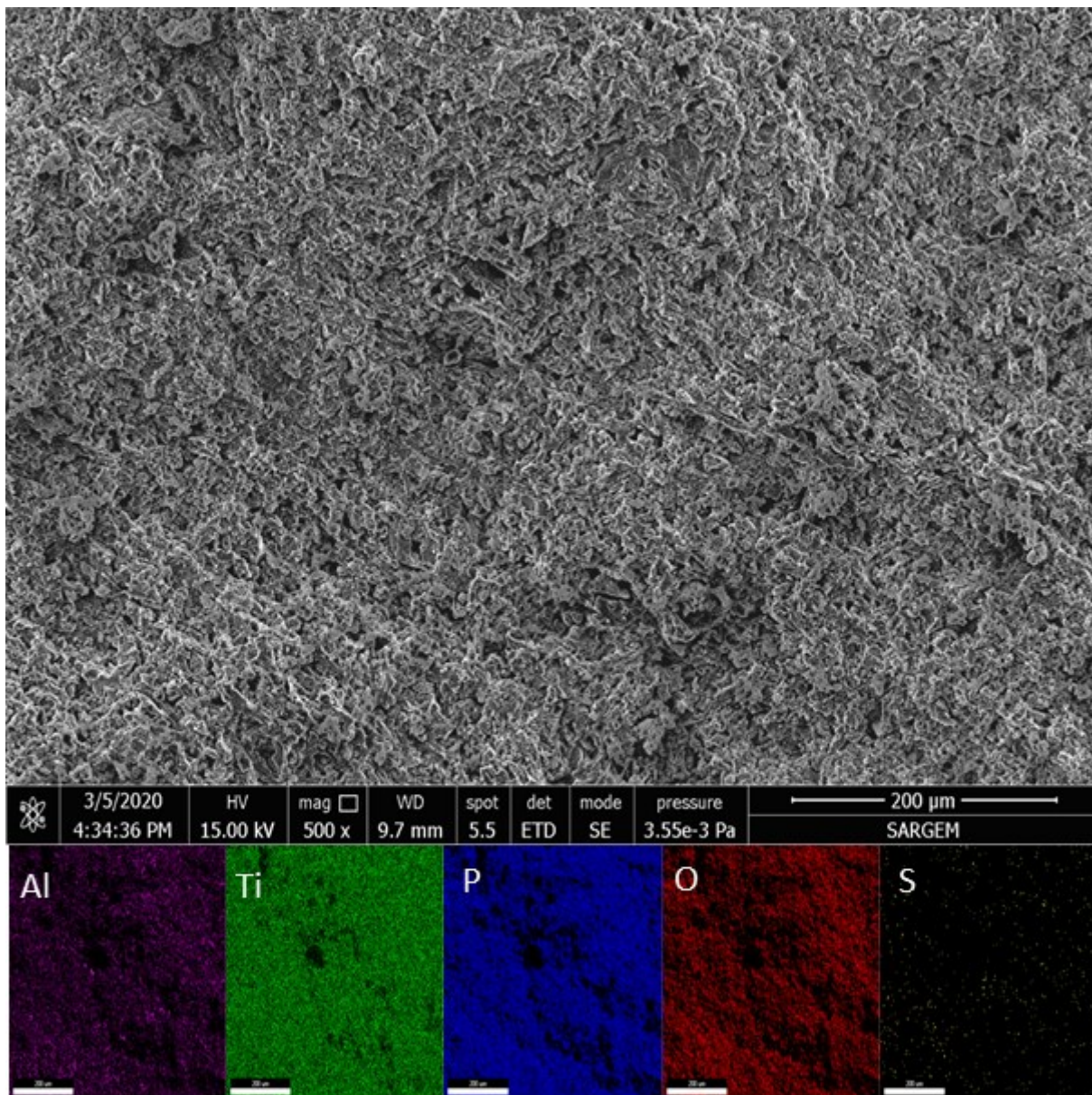


Fig S4: Fracture surface FESEM image and corresponding EDS mapping of L ATP-001S.

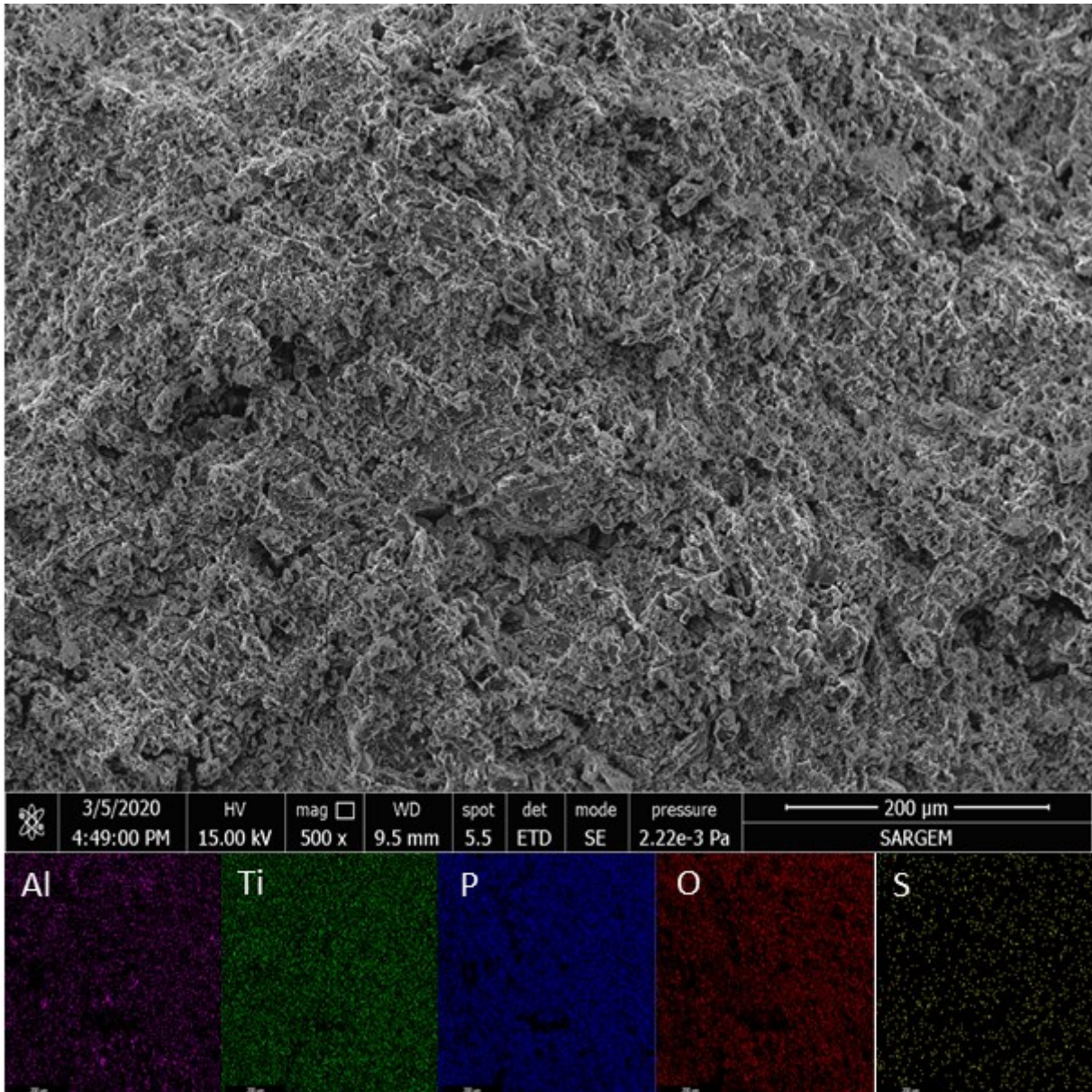


Fig S5: Fracture surface FESEM image and corresponding EDS mapping of L ATP-005S.